



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

Black Mountain Door, LLC
310 Flint Drive,
MT. Sterling, KY. 40353

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Firedoor Series "S-4080" Single Outswing Opaque Steel Door

APPROVAL DOCUMENT: Drawing No W02-94 Rev G, titled "Firedoor series S-4080F" Out-Swing Steel Ent. Door.", sheet 1 through 4 of 4, dated 10-10-02 and last revised on MAR 22, 2012, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitation:

1. The doors are not approved, where water infiltration requirement is needed.
2. Frame jambs to be grout filled.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 09-0923.15 (Former FireDoor by Amweld International, LLC) and consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No 12-0323.10
Expiration Date: November 12, 2012
Approval Date: July 19, 2012
Page 1

7/12/12

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (transferred from file # **09-0923.15**)
2. Drawing No **W02-94 Rev G**, titled "Firedoor series S-4080F" Out-Swing Steel Ent. Door." sheet 1 through 4 of 4, dated 10-10-02 and last revised on MAR 22, 2012, by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

Note: This revision consists of FBC 2010 notes & company name change only.

B. TESTS (Transferred from # **09-0923.15/ # 08-0310.02**) Original test conducted per SFBC, PA 201, 202 & 203-94, now termed as FBC, TAS 201, 202 & 203-94.

1. Test reports on
 - 1) Air Infiltration Test, per PA 202-94
 - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
 - 3) Water Resistance Test, per PA 202-94(Not Performed)
 - 4) Large Missile Impact Test, SFBC PA 201-94
 - 5) Cyclic Loading Test, per SFBC PA 203-94

Along with installation diagram of single outswing Steel commercial doors, marked-up by Fenestration Testing Laboratories, Inc. Test Reports Nos. **FTL 3211 (FTL01144)**, dated 12/13/01, signed and sealed by Luis A. Fegueredo, P.E.

C. CALCULATIONS

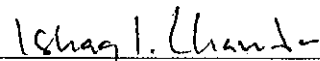
1. Anchor verification dated June 24, 2009 and last revised on March 10, 2010, prepared by Al-Farooq Corporation, complying w/ FBC 2007, signed and sealed by Javad Ahmad, P.E. (submitted under file # **09-0923.15**).

D. QUALITY ASSURANCE

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

1. Tensile test report prepared by ATC Associate Inc., report No. FTL3211 (011444), dated March 05, 2002 for Steel samples, tested per ASTM E-A370-97-a, signed and sealed by Luis A. Figueredo, P.E.
2. Notice of Acceptance No. **11-0926.07** issued to Dyplast Product, LLC (Former Apache Products Company) for "EPS-Expanded Polystyrene Insulation", expiring on 01/11/17.



Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 12-0323.10

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F. STATEMENTS

1. Statement letter of conformance to FBC 2010 and letter of no financial interest, prepared by Al Farooq Corporation, dated 03/14/12, signed and sealed by Javad Ahmad, P.E..
2. Statement letter of compliance, as part of above referenced test report, issued by Fenestration testing laboratory.
3. Official "Black Mountain Door" press release dated June 21, 2012 stating acquiring the assets, technology, "Firedoor™" brand and intellectual properties of Amweld International.
4. Statement letter dated May 08, 2012 stating acquiring all the assets of Amweld international, issued by Black Mountain door, signed by Jason W. Lisewski, V.P. Black Mountain Door.
5. Statement letter dated January 26, 2012 issued by Amweld International, LLC of notification of the assets of Amweld International was purchased by American Doors, LLC DBA Black Mountain Door, Mt. Sterling, KY, signed by David Earnshaw, trustee for Amweld International.
6. Copy of certificate of formation of "American Doors, LLC" issued by State of Delaware dated 10-11-11, signed by Jeffery W. Bullock, Secretary of State.
7. Copy of certificate of Amendment of "American Doors, LLC" changing name to "Black Mountain Door, LLC", issued by State of Delaware dated 06-20-12, signed by Jeffery W. Bullock, Secretary of State.

G. OTHER

1. This NOA **revises** NOA # **09-0923.15**, expiring on November 12, 2012.
2. E-mail response dated July 10 & 11, 2012 & documents from Mr. J. Lisewski, V.P. Black Mountain Door.



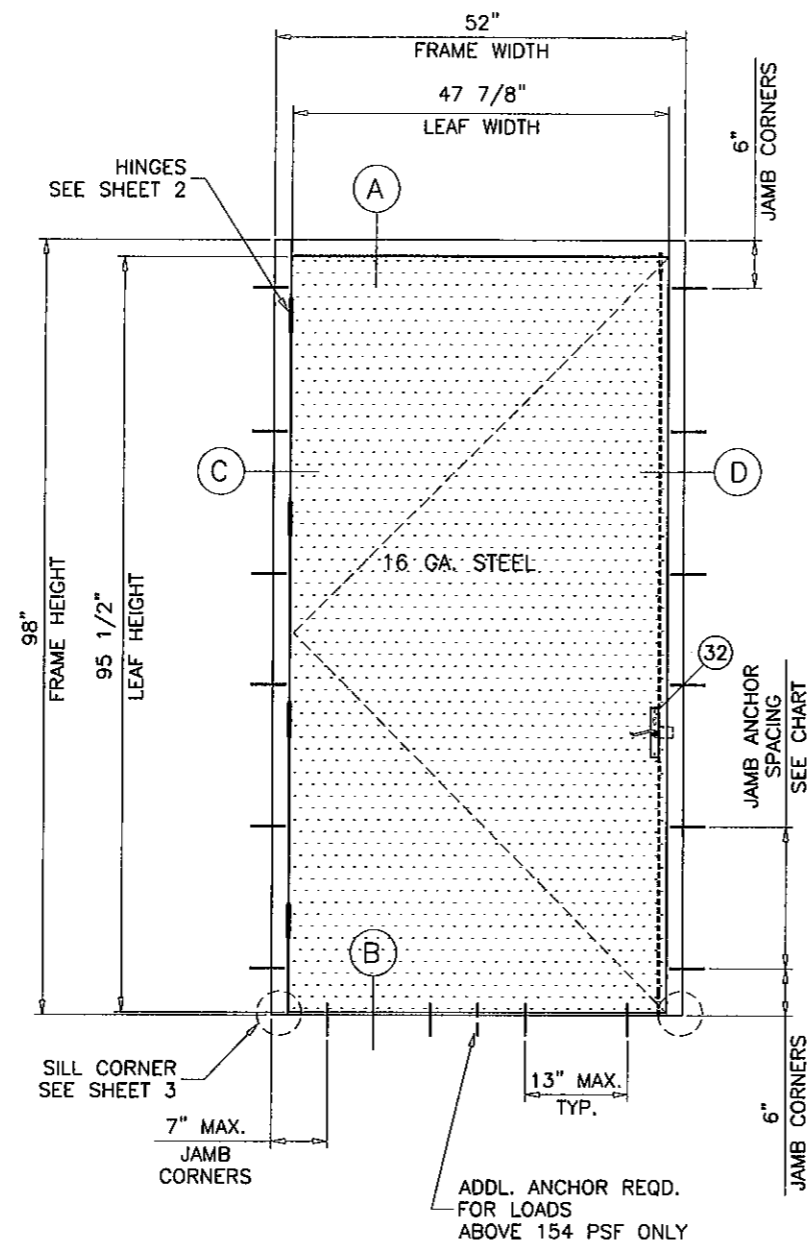
Ishaq I. Chanda, P.E.

Product Control Examiner

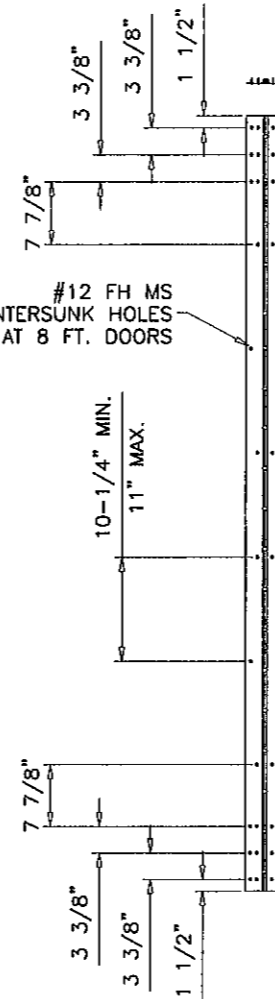
NOA No 12-0323.10

Expiration Date: November 12, 2012

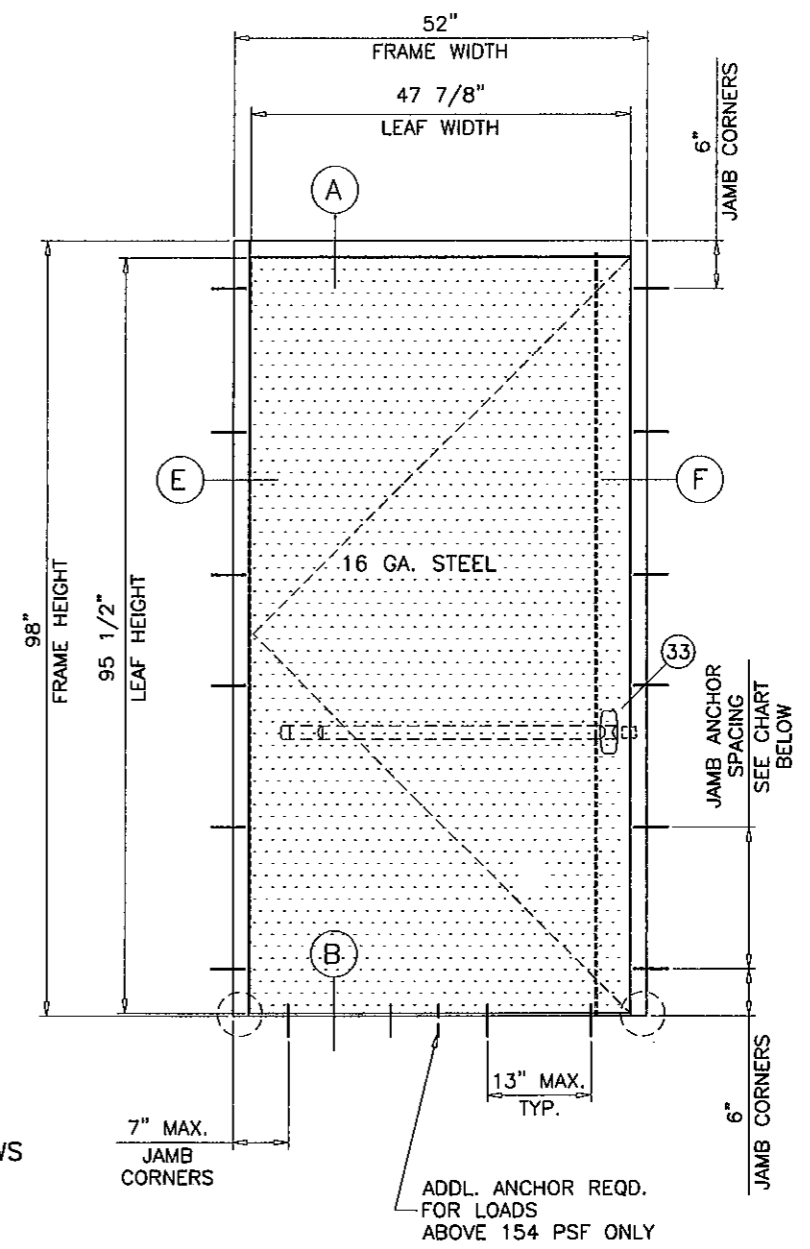
Approval Date: July 19, 2012



#12 FH MS
IN COUNTERSUNK HOLES
36 SCREWS AT 8 FT. DOORS



ROTON HINGE SCREWS



TYPICAL ELEVATION
TESTED UNITS

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

FIREDOOR SERIES-4080F
OUT-SWING STEEL ENTRANCE DOOR

MAX. DESIGN LOAD RATING FOR THESE DOORS IS AS PER CHART SHOWN
AT RIGHT FOR SIZES SHOWN OR SMALLER, AS ALLOWED PER FBC.

DOORS NOT APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION
RESISTANCE IS REQUIRED.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY
HURRICANE ZONE (HVHZ).

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS
EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE
NOT PART OF THIS APPROVAL.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.

DESIGN LOAD CAPACITY - PSF		
FRAME WIDTH	ANCHORS TYPE 'B'	ANCHORS TYPE 'C'
	AT 18" O.C.	AT 18" O.C.
	EXT.(+)/INT.(-)	EXT.(+)/INT.(-)
36"	200.0	200.0
42"	200.0	200.0
48"	200.0	200.0
52"	192.6	200.0

SEE SHEET 2 FOR DESCRIPTION OF ANCHORS.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

MAR 22 2012

PRODUCT REVISED
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Building Code
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J. Ahmad
Product Control

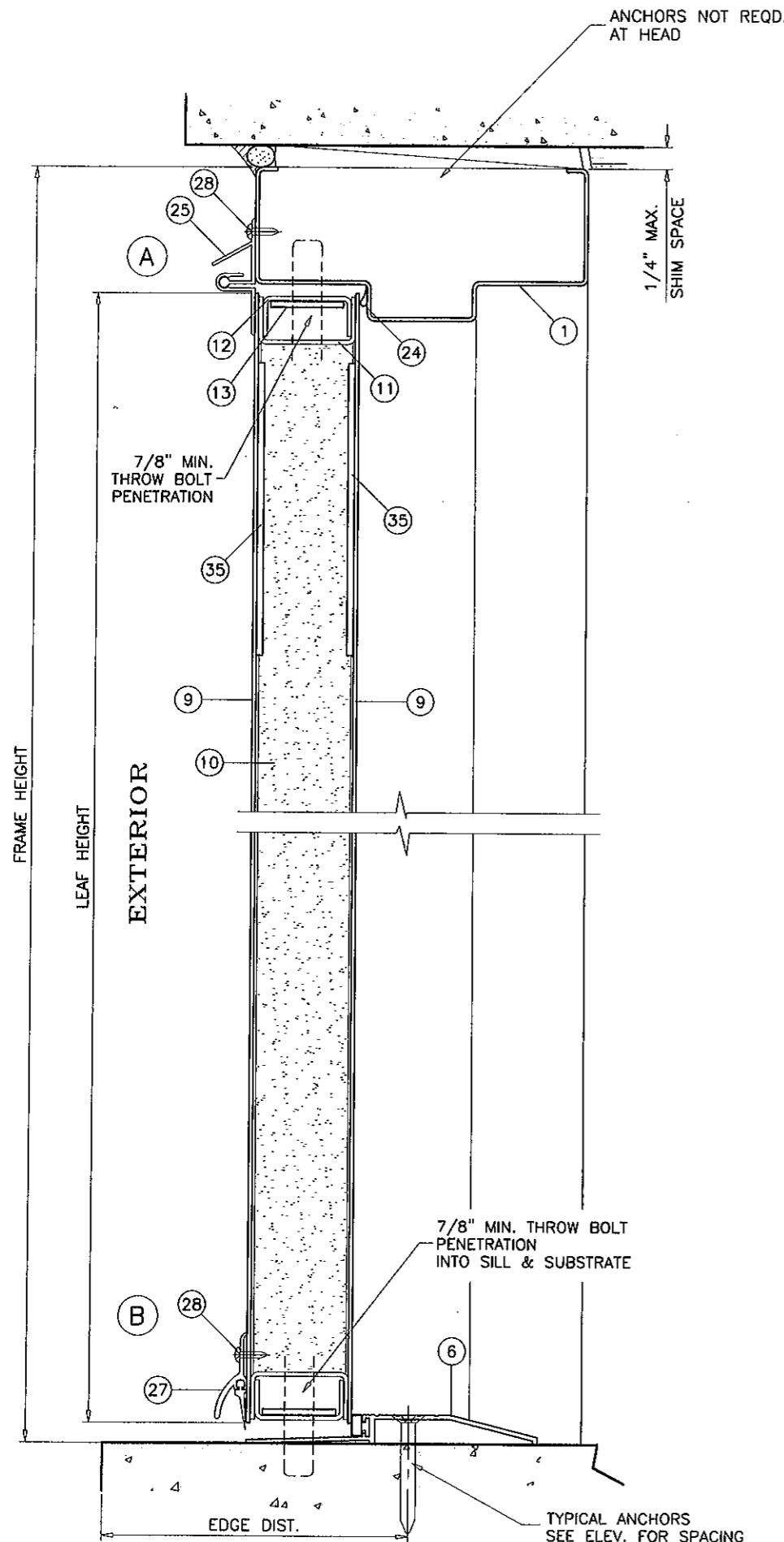
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W02-94FDC

FIREDOOR S-4080F OUT-SWING STEEL ENT. DOOR
BLACK MOUNTAIN DOOR, LLC.
310 FLINT DRIVE
MT. STERLING, KY 40353
TEL. (855) 370-4580 FAX. (859) 762-0852

revisions:	no	date	by	description
	D	06.19.09		UPDATED FOR 2007 FBC
	E	01.16.10		REV. PER BCCO COMMENTS
	F	05.19.10		REV. PER BCCO COMMENTS
	G	03.15.12		UPDATED TO 2010 FBC

date:	10-10-02
scale:	1/2"=1'-0"
dr. by:	HAMID
chk. by:	

drawing no.	W02-94
sheet	1 of 4



LOCK OPTIONS:

OPTION #1:

THREE POINT MORTISE LOCKSET SYSTEM BY 'SECURITECH' WITH 5/8" DIA. ST. STEEL BOLTS AT TOP & BOTTOM ENGAGING IN (1.107" X .075" X 2.232") STL. STRIKE PLATES IN FRAME HEAD AND SILL AT BOLT LOCATIONS AND DEAD BOLT LOCK AT 38" TO 40-3/8" FROM BOTTOM ENGAGING (1-7/8" X 4-7/8") STL. STRIKE PLATE IN FRAME JAMB AT BOLT LOCATION.
KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR

OPTION #2:

THREE POINT SURFACE MOUNT PANIC EXIT DEAD LOCK SYSTEM 8444-SBO-HD BY 'SECURITECH' AT 38" TO 40-3/8" FROM BOTTOM. ENGAGING IN STEEL STRIKE PLATES IN FRAME HEAD & SILL AT BOLT LOCATIONS.
(2" X 4-7/8" X 1/16") STL. STRIKE PLATE IN FRAME JAMB

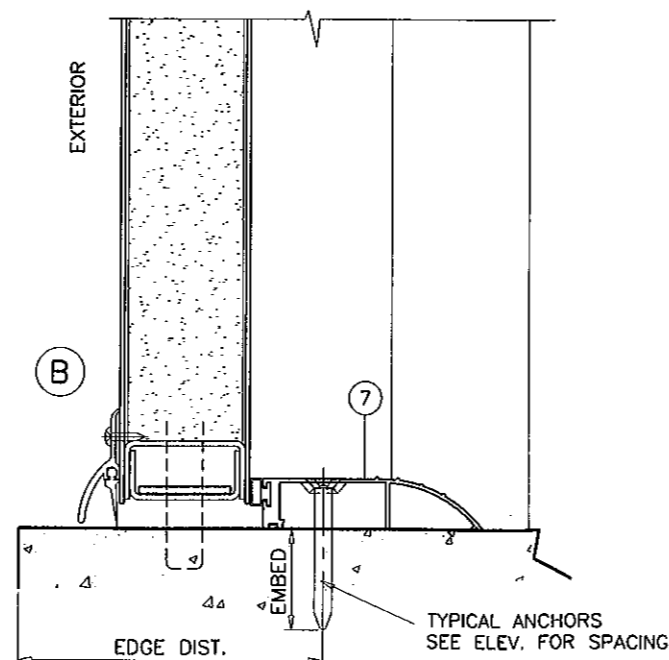
HINGES:

OPTION #1:

STEEL ROTON HINGE BY 'HAGER'
SEE SHEET 1 FOR INSTALLATION SCREWS

OPTION #2:

STEEL MORTISE HINGE 1279
AT 7-1/4" TO 9-3/4" FROM TOP TO CL OF HINGE
AT 7-1/4" TO 12-5/8" FROM BOTTOM TO CL OF HINGE
(2) HINGES IN BETWEEN TOP & BOTTOM HINGE EQUALLY SPACED



METAL STRUCTURES NOT BY BLACK MOUNTAIN DOOR
MUST SUPPORT LOADS IMPOSED BY DOOR SYSTEM AND
TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS @ JAMB: SEE ELEV. FOR SPACING

TYPE 'B' - 3/8" DIA. CARBON STEEL HLC SLEEVE ANCHOR BY 'HILTI'
DIRECTLY INTO CONC. OR MASONRY
1-5/8" MIN. EMBED INTO CONC. OR MASONRY
3-1/2" MIN. EDGE DISTANCE INTO CONC.
4" MIN. EDGE DISTANCE INTO MASONRY

TYPE 'C' - 3/8" DIA. SMS OR MACHINE BOLTS (GRADE 2 CRS)
INTO METAL STRUCTURES (STEEL OR ALUMINUM 1/8" MIN. THICK.)
STEEL : Fy = 36 KSI MIN.
ALUMINUM : 6063-T5 MIN.
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL ANCHORS @ THRESHOLD:

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE
WITH 1-1/4" MIN. EMBED INTO CONC.
2-1/2" MIN. EDGE DISTANCE

CONCRETE f'c = 3000 PSI MIN.
C-90 FILLED MASONRY BLOCK f'm = 2000 PSI MIN.

SEALANT:

FRAME CORNERS SEALED WITH SILICONE.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0323.10
Expiration Date 11/12/12
[Signature]

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 170592
C.A.N. 3538

MAR 22 2012

afC

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
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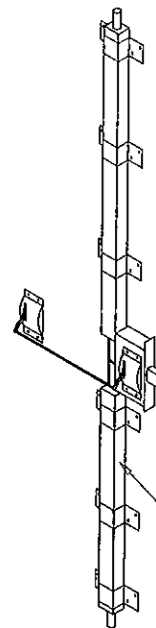
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scale: 3/8" = 1"
dr. by: HAMID
chk. by:

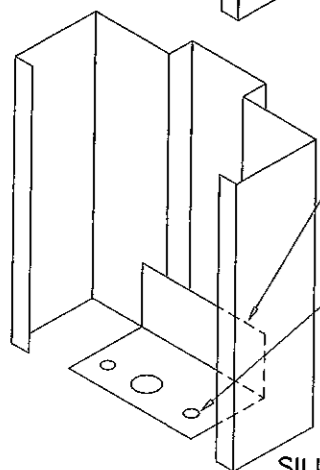
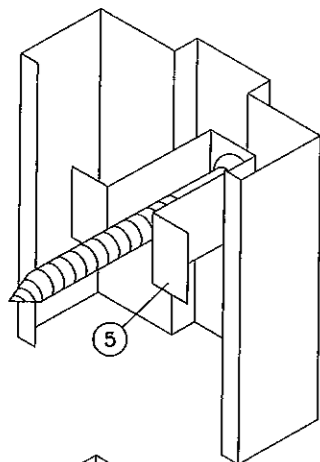
drawing no.
W02-94

sheet 2 of 4



1-1/2" X 3/4"
ST. STEEL TUBE

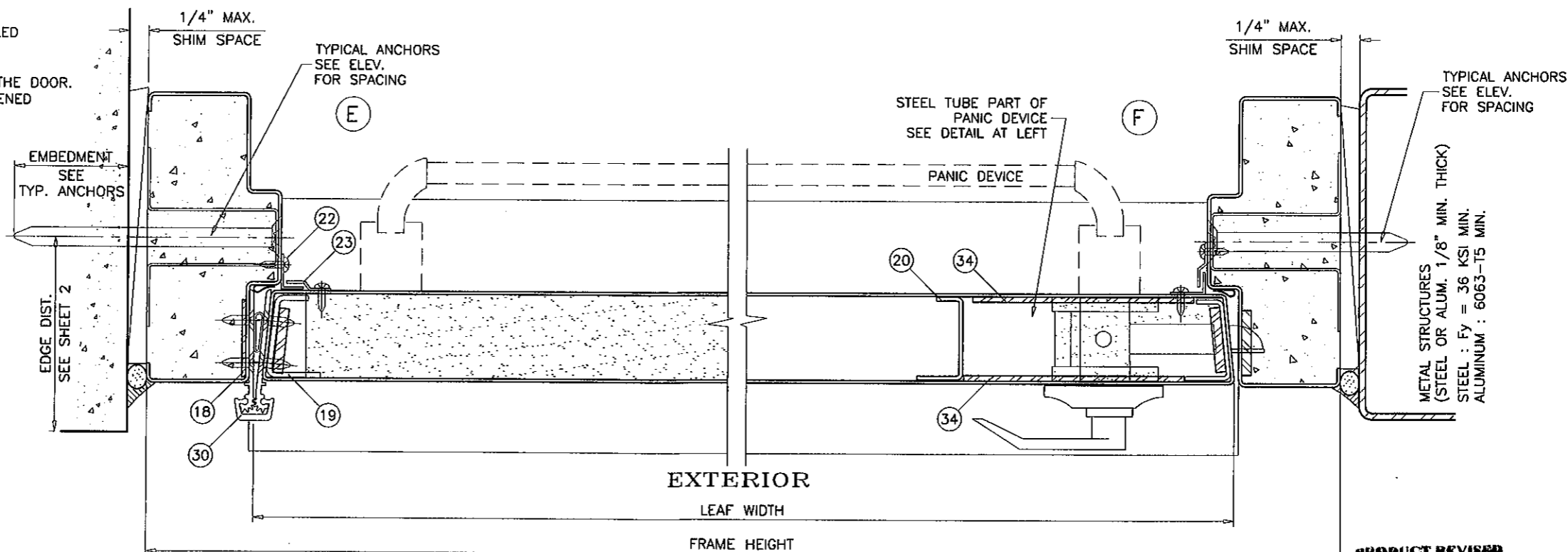
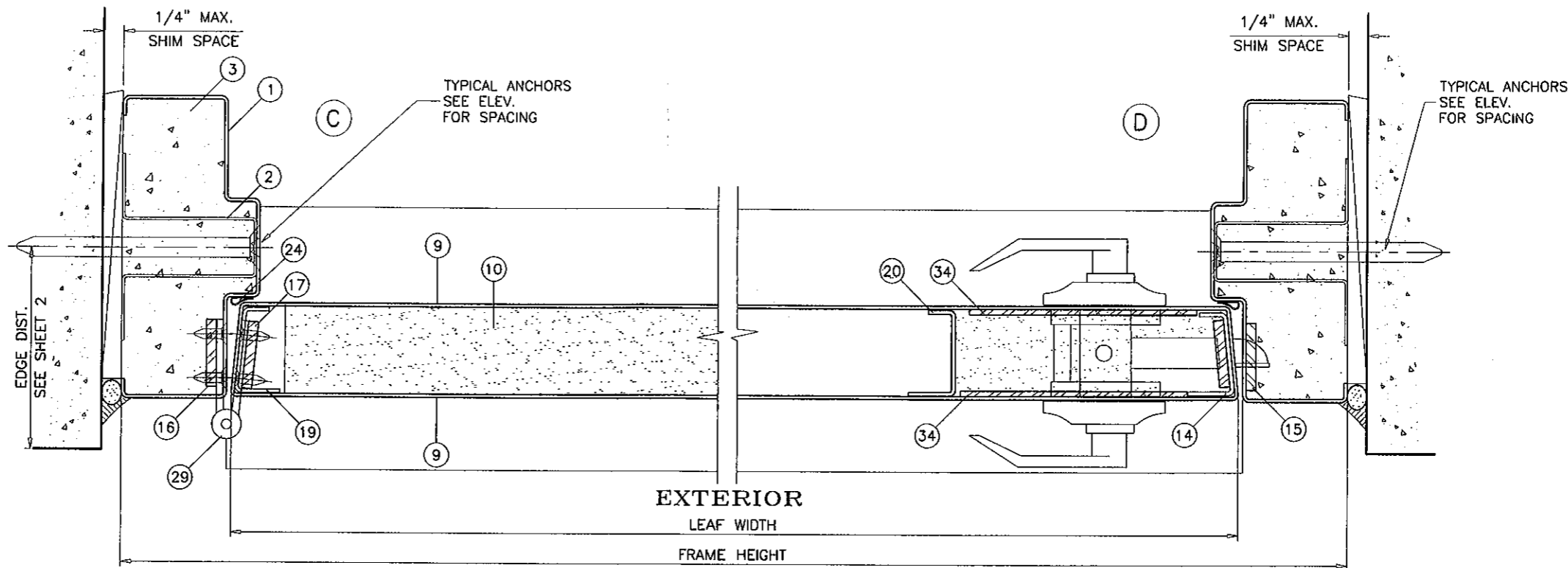
PANIC DEVICE:
ST. STEEL ROD, BOLT & CHANNEL ASSEMBLY WITH MULTIPLE BRACKETS AND THRU BOLT PLATES INSTALLED WITHIN DOOR ABOVE AND BELOW PANIC BAR. 5/8" DIA. X 10" LONG ST. STEEL BOLTS TRAVEL IN CHANNELS SURFACE APPLIED TO INTERIOR FACE OF THE DOOR. (6) 'U' SHAPED CHANNEL MOUNTING BRACKETS FASTENED WITH 1/4-20 MS FOUR PER BRACKET.



1-1/4" X 1-3/4" X .060"
STEEL ANGLE, 4-1/2" LONG
WELDED TO FRAME JAMB

1/4" DIA. ULTRACON
1-1/2" MIN. EMBED
2-1/2" O.C. MIN.

SILL CORNER



PRODUCT REVISED
to comply with the Florida
Building Code
Approval No 12-0323.10
Expiration Date 11/12/12
By *[Signature]*
Manufact Date Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

MAR 22 2012

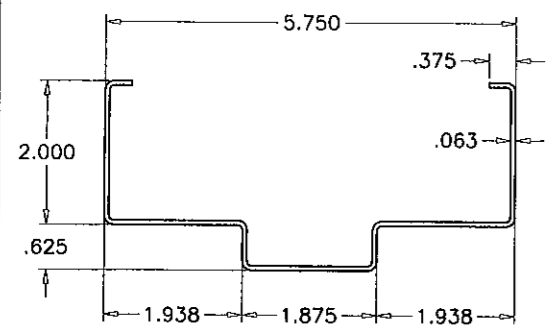
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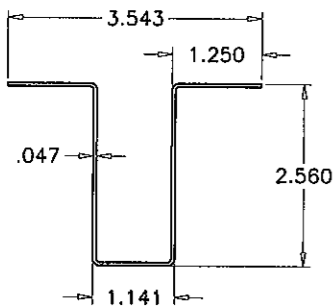
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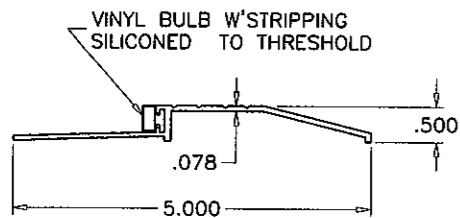
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sheet	3 of 4



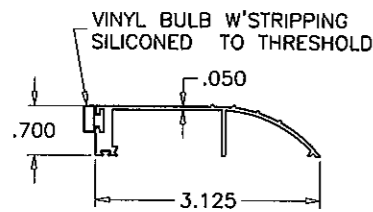
FRAME HEAD/JAMB



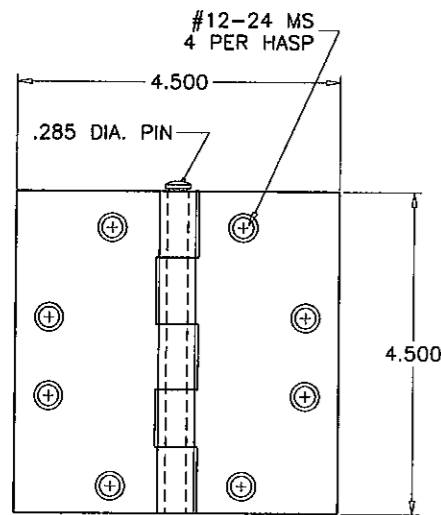
ANCHOR SPACER



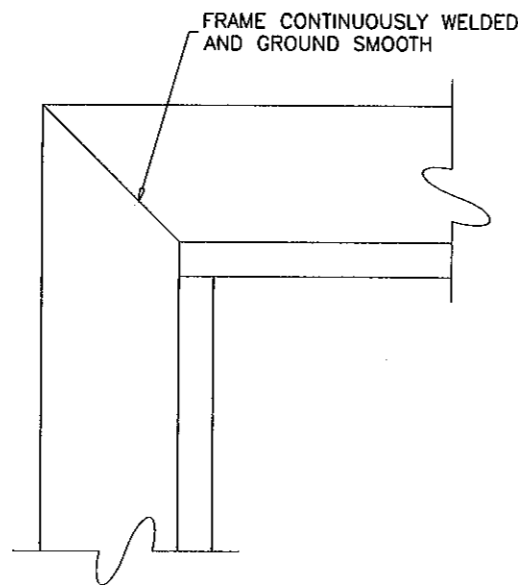
BUMPER THRESHOLD



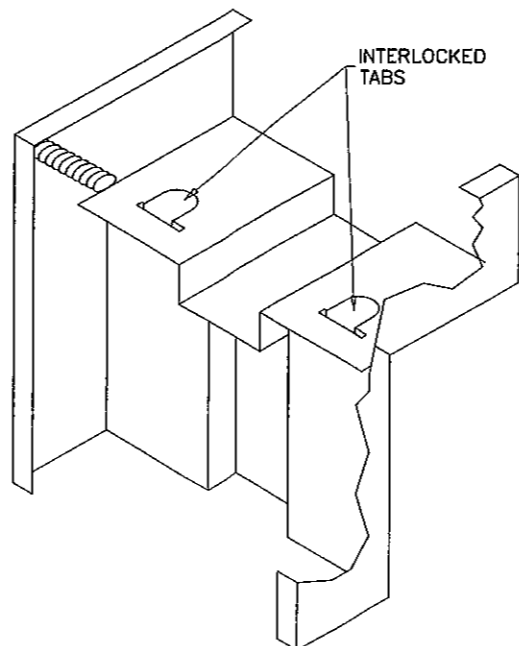
ALTERNATE THRESHOLD



.134" THICK STEEL HINGE



FRAME CORNERS



ITEM NO.	PART NO.	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	-	AS REQD.	FRAME HEAD/JAMB	STEEL	16 GA. (.062") MIN. Fy=46,000, Fu=55,000
2	-	AS REQD.	ANCHOR SPACER	STEEL	2-1/2" X 2-1/2" X 18 GA.
3	-	AS REQD.	FRAME GROUT	CONC.	3000 PSI MIN.
5	-	1	BUMPER THRESHOLD	ALUMINUM	HAGER
6	477S	1	BUMPER THRESHOLD	ALUMINUM	HAGER
7	435S	1	ALTERNATE THERSHOLD	ALUMINUM	HAGER
9	-	2	DOOR PANEL	STEEL	16 GA. (.060") MIN. Fy = 42,000
10	-	-	POLYSTYRENE CORE	-	APACHE, HOLDING CURRENT NOA
11	-	2	TOP & BOTTOM CHANNEL, 47-3/4" LONG	STEEL	(.810" X 1.678" X .810" X .075 THK.)
12	-	2	TOP & BOTTOM CHANNEL, 47-3/4" LONG	STEEL	(.685" X 1.530" X .685" X .075" THK.)
13	-	2	TOP & BOTTOM BAR REINFORCING, 47-3/4" LONG	STEEL	(1.270" X .10" THK.)
14	-	2	LOCK REINFORCEMENT, 27" LONG	STEEL	(.518" X 1.585" X .90" X .075 THK.)
15	-	1	STRIKE REINFORCEMENT	STEEL	(1-3/8" X 6-7/16" X .093" THK.)
16	-	-	FRAME HINGE REINFORCEMENT	STEEL	(1.270" X .170" X 10" LONG)
17	-	4	DOOR HINGE REINFORCEMENT	STEEL	(1.270" X .170" X 10" LONG)
18	-	1	ROTON HINGE REINFORCEMENT	STEEL	(1.518" X .075" X 97" LONG)
19	-	1	DOOR EDGE CHANNEL, 93" LONG	STEEL	(7/8" X 1-5/8" X 1/2" X .075" THK.)
20	-	1	DOOR REINFORCING CHANNEL, FULL LENGTH	STEEL	(7/8" X 1-5/8" X 1/2" X .075" THK.)
22	#8 X 1/2"	AS REQD.	SELF DRILLING SCREWS	-	AT 8" O.C.
23	713S/715S	2	INTERLOCKING WEATHERSTRIPPING	ALUMINUM	HAGER
24	726S	AS REQD.	JAMB WEATHERSTRIPPING (1/2" X 1/4")	VINYL	HAGER, ADHESIVE BACK
25	717S/718S	AS REQD.	INTERLOCKING WEATHERSTRIPPING	VINYL	HAGER
27	770S-V	1	DOOR BOTTOM SWEEP	ALUM/VINYL	HAGER
28	#10 X 3/4"	AS REQD.	SELF DRILLING SCREWS	-	AT 8" O.C. MAX.
29	1279	4/ LEAF	MORTISE BUTT HINGES (4-1/2" LONG)	STEEL	HAGER, AT 25-1/2" O.C. MAX.
30	780-224/112	1	ROTON HINGE	STEEL	HAGER
32	5411-HD-F13	1	3PT MORTISE LOCKSET	STEEL	SECURITECH
33	8444-SBS-HD	1	3PT PANIC EXIT DEADLOCK SYSTEM	STEEL	SECURITECH
34	-	2	REINFORCEMENT PLATES	STEEL	(4.365" X 4.390" X .105" THK.)
35	-	2	REINFORCEMENT BARS	STEEL	(5.050" X .105" X 44" LONG)

PRODUCT REVISION
as complying with the Florida
Building Code
Acceptance No. 12-032310
Expiration Date 11/12/12
J. Hager, L. Hager
Hager Door Fabrication Co.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
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MAR 22 2012

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revisions:

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drawing no.
W02-94

sheet 4 of 4